

CLAIMS

What is claimed is:

1 1. An entertainment device, comprising:
2 a remote control for an interactive television system;
3 a wireless receiver integrated with the remote control to receive television
4 program schedule information from the interactive television system; and
5 a display device integrated with the remote control to display the television
6 program schedule information.

1 2. The device of claim 1, further comprising a processor integrated with the
2 remote control to generate an electronic programming guide from the television
3 program schedule information to display on the display device.

1 3. The device of claim 2 wherein the electronic programming guide comprises at
2 least one indication of a television program, the device further comprising a wireless
3 transmitter integrated with the remote to transmit a control signal to the interactive
4 television system in response to a user selection of a television program from the
5 electronic programming guide.

1 4. The device of claim 3 wherein the control signal is configured to cause a
2 television to display the selected television program.

1 5. The device of claim 1 wherein the interactive television system includes a set
2 top box, the wireless receiver integrated with the remote control capable to receive
3 the television program information from the set top box.

1 6. The device of claim 1 wherein the remote control is coupleable to a network,
2 the remote control capable to receive television program schedule information from
3 the network.

1 7. The device of claim 6 wherein the network comprises an Internet, and
2 wherein the television program schedule information is received by the remote
3 control from a web site on the Internet.

1 8. The device of claim 6 wherein the display device comprises part of a
2 computer.

1 9. The device of claim 6 wherein the remote control further comprises an
2 intermediary unit to transcode the television program schedule information received
3 from the network from one format to another format.

1 10. The device of claim 9 wherein the intermediary unit is capable to add action
2 control code to the television program schedule information, as part of the
3 transcoding from one format to another format.

1 11. The device of claim 10 wherein the remote control includes control buttons,
2 and wherein activation of one of the control buttons activates the action control code
3 added to the television program schedule information.

1 12. The device of claim 11 wherein activation of the action control code triggers
2 generation of a corresponding signal for a control activity, the remote control further
3 including a transmitter integrated therewith to transmit the generated signal.

1 13. The device of claim 10 wherein the television program schedule information
2 comprises part of a hypertext markup language (HTML) page, and wherein the
3 action control code comprises JavaScript.

1 14. The device of claim 9 wherein the intermediary unit is further capable to
2 remove or add information to the television program schedule information received
3 from the network, as part of the transcoding from one format to another format.

1 15. The device of claim 9 wherein the intermediary unit is capable to reformat
2 one of a content, color, text font, layout, organization, or parental control feature of
3 the television program schedule information received from the network, as part of
4 the transcoding from one format to another format.

1 16. The device of claim 6, further comprising a transceiver unit communicatively
2 coupleable to the remote control, the remote control including a transmitter
3 integrated therewith to send signals to the transceiver unit, the signals
4 corresponding to action controls invoked on the television program schedule
5 information received from the network.

1 17. The device of claim 9, further comprising a browser in the remote control to
2 display the television program schedule, which is received from the network and

transcoded by the intermediary unit, as an electronic program guide on the display device.

18. An apparatus, comprising:

a remote control for an interactive television system, the remote control including a browser;

an intermediary unit integrated with the remote control to receive information sent between the browser and a network; and

a display device integrated with the remote control to display television program schedule information obtainable by the intermediary unit from the network, the intermediary unit capable to modify the obtained television program schedule information to add controls corresponding thereto prior to display of the modified television program schedule information on the display device by the browser.

19. The apparatus of claim 18 wherein the remote control comprises a computer.

20. The apparatus of claim 18 wherein the remote control comprises a wireless device.

21. The apparatus of claim 18, further comprising control buttons integrated with the remote control, wherein modification of the obtained television program schedule information to add controls corresponding thereto includes transcoding to add action control code responsive to the control buttons, wherein activation of one of the control buttons triggers activation of the action control code.

1 22. The apparatus of claim 21, further comprising a transmitter integrated with
2 the remote control, wherein activation of the action control code triggers
3 transmission of a corresponding signal from the transmitter.

1 23. The apparatus of claim 18 wherein the intermediary unit is further capable to
2 modify a request sent from the browser to the network.

1 24. A system, comprising:
2 a set top box for an interactive television system;
3 a remote control for the set top box, the remote control including a browser;
4 an intermediary unit coupled between a network and the remote control to
5 receive information sent between the browser and the network; and
6 a display device integrated with the remote control to display television
7 program schedule information obtainable by the intermediary unit from the network,
8 the intermediary unit capable to modify the obtained television program schedule
9 information to add controls corresponding thereto prior to display of the modified
10 television program schedule information on the display device by the browser,
11 wherein activation of one of the controls added to the television program schedule
12 information is capable to result in transmission of a corresponding signal from the
13 remote control to the set top box.

1 25. The system of claim 24, further comprising a transceiver unit communicatively
2 coupleable between the remote control unit and the set top box, wherein the signal
3 is capable of being transmitted from the remote control to the set top box via the
4 transceiver unit.

1 26. The system of claim 24 wherein activation of another one of the controls is
2 capable to result in transmission of another signal from the remote control to a
3 device different from the set top box.

1 27. The system of claim 24 wherein modification of the obtained television
2 program schedule information include use of a transcoding technique by the
3 intermediary unit.

1 28. A method, comprising:
2 obtaining television program schedule information from a network;
3 modifying the obtained information to add controls corresponding to the
4 obtained information;
5 displaying the modified information having the controls; and
6 responsive to user activation of one of the controls added to the displayed
7 modified information, transmitting a corresponding signal to control a device.

1 29. The method of claim 28 wherein adding controls to the obtained information
2 includes adding action control code to a file associated with the obtained
3 information, wherein user activation of one of the controls includes activation of the
4 added action control code.

1 30. The method of claim 28, further comprising modifying the obtained
2 information to change a format of the obtained information, add an element to the
3 obtained information, delete an element from the obtained information, or change an
4 organization or layout of the obtained information.

1 31. The method of claim 28, further comprising modifying a request sent from the
2 browser to obtain the television program schedule information from the network.

1 32. The method of claim 28 wherein displaying the modified information having
2 the added controls includes displaying a controllable electronic program guide.

1 33. The method of claim 28 wherein transmitting the corresponding signal to
2 control the device includes transmitting the corresponding signal via a transceiver
3 unit.

1 34. An article of manufacture, comprising:
2 a machine-readable medium having instructions stored thereon to:
3 obtain television program schedule information from a network;
4 modify the obtained information to add controls corresponding to the
5 obtained information;
6 display the modified information having the controls; and
7 responsive to user activation of one of the controls added to the
8 displayed modified information, transmitting a corresponding signal to control
9 a device.

1 35. The article of manufacture of claim 34 wherein the instructions to modify the
2 obtained information to add controls corresponding to the obtained information
3 includes instructions to add action control code to a file associated with the obtained
4 information, the action control code capable of activation in response to a user's
5 invoking of an action control.

1 36. The article of manufacture of claim 34 wherein the machine-readable medium
2 further includes instructions stored thereon to modify a request to obtain the
3 television program schedule information from the network.

1 37. The article of manufacture of claim 34 wherein the machine-readable medium
2 further includes instructions stored thereon to modify a request to display the
3 modified information having the controls as part of an electronic program guide.

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